

ABSTRACT

A method for determining whether a connection event between a base station and a wireless transmit/receive unit (WTRU) should be accepted or rejected, comprises measuring the interference level I_0 in a candidate timeslot; measuring the path loss L between the base station and the WTRU; measuring the total transmit power P_0 of the base station; determining a thermal noise level θ ; determining a fading average signal-to-interference ratio (SIR); and calculating a ratio R , wherein if the ratio R is above a certain threshold the connection event will be accepted and if the call is below the threshold it will be rejected.